

PATENT

Serial No.: 10/ 817,007

Group No.: 3729

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In the Specification

Please amend the Cross Reference to Related Applications on page 1, lines 9-12 as follows:

CROSS REFERENCE TO RELATED APPLICATIONS

This application is related to [[an]] application serial no. 10/817,786 entitled "Microelectromechanical Power Generator and Vibration Sensor" ~~which is being filed of even date with Attorney Docket No. SD8333S100399 filed on April 1, 2004 and issued on November 28, 2006 as U.S. Patent No. 7,142,075.~~

Please amend the Abstract on page 44 as indicated below:

ABSTRACT

Methods are [disclosed] provided for forming a plurality of permanent magnets with two different north-south magnetic pole alignments for use in microelectromechanical (MEM) devices. These methods are based on initially magnetizing the permanent magnets all in the same direction, and then utilizing a combination of heating and a magnetic field to switch the polarity of a portion of the permanent magnets while not switching the remaining permanent magnets. The permanent magnets, in some instances, can all have the same rare-earth composition (e.g. NdFeB) or can be formed of two different rare-earth materials (e.g. NdFeB and SmCo). The methods [of the present invention] can be used to form a plurality of permanent magnets side-by-side on or within a substrate with an alternating polarity, or to [forming] form a two-dimensional array of permanent magnets in which the polarity of every other row of the array is alternated.